

Converting Percents to Decimals

1.) Move the decimal two places

* **Percent to Decimal** – move two places to the **left**

* **Decimal to Percent** - move two places to the **right**

Examples:

1.) 17%

17

$$17\% = \boxed{0.17}$$

2.) 0.025

0.025

$$0.025 = \boxed{2.5\%}$$

3.) 2.37

2.37

$$2.37 = \boxed{237\%}$$

IV. Converting Fractions to Percents

1.) Change the fraction to a decimal (divide!)

2.) Move the decimal two places to the **right**

Examples:

1.) $\frac{4}{5}$

$$5 \overline{) 4.0} \\ \underline{40} \\ 0$$

80

$$\frac{4}{5} = \boxed{80\%}$$

2.) $\frac{1}{8}$

$$8 \overline{) 1.000} \\ \underline{8} \\ 20 \\ \underline{16} \\ 40 \\ \underline{40} \\ 0$$

12.5

$$\frac{1}{8} = \boxed{12.5\%}$$

V. Converting Percent to Fractions

1.) Put the percent over 100

2.) Simplify!

Examples:

1.) $44\% = \frac{44}{100} \div \frac{4}{4} = \boxed{\frac{11}{25}}$

2.) $8\% = \frac{8}{100} \div \frac{4}{4} = \boxed{\frac{2}{25}}$